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ABSTRACT

Patterns of course distribution by subject areas and of courses taken by various majors are described in this report on Hawaii community colleges. Distribution of courses by major indicates: (1) liberal arts majors are the largest consumers of general education--66% of all Student Semester Hours (SSH) generated in general education are taken by liberal arts students; (2) vocational majors and unclassified students are taking 28% and 4%, respectively, of the SSH generated in general education; (3) vocational students take 80% of the vocational courses; (4) liberal arts majors and unclassified students take 14% and 4%, respectively, of all SSH generated in vocational education. In terms of student educational objectives, certificate students are taking 71% of their work in vocational courses, Associate of Arts students take 89% in general education, Associate of Science students take 59% in general education courses, and special and unclassified students take 64% in general education. The patterns of SSH taken by majors has remained stable over the past five years. The total number of SSH has declined slightly from that of the previous year. (Author/JDS)

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University of Hawaii
Office of the Chancellor for Community Colleges
Educational Services Division

CC-IRP 95

December 1976

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THE ACADEMIC CROSSOVER REPORT
COMMUNITY COLLEGES
FALL 1976

The community college provides a marketplace for different students to select from various educational goods and services. Just as with other enterprises, the community colleges must continue to meet student-consumer demands with diminishing educational resources. The knowledge of supply conditions and consumer patterns is important in developing plans which will maximize the use of personnel, physical facilities and other scarce resources. This report attempts to identify the consumers of credit courses and the sources of these courses.

Although this report is based entirely upon the credit courses provided by a college, it must be remembered that others such as senior citizens, apprentices, and participants in non-credit programs also utilize the resources of a college.

Sources of Data

Computer reports 2524B, C, D based upon the student registrations of October 18, 1976 were used as the primary sources of data. Included in this report are the student semester hours (SSH) of the early admits and concurrent students. For this reason, the total SSH is different from the citation in IRP 93, Selected Characteristics, Classified & Unclassified (Regular) Students, Fall 1976, which cites the SSHs of regular students only.

Limitations

The content of some courses for vocational programs is in a "gray zone"; i.e., some courses with vocational course alphas are considered general education in content and vice versa. For the purposes of this report, the content of a course determined its actual placement. For this reason, the SSH of different course areas may be "inflated" or "deflated", depending upon the number of courses affected. See Appendices A and B for the clustering schemes of majors and courses which are regrouped in different subheadings.

Highlights

I. What is the distribution of courses taken by various majors? (Table II, Figure 1):

A. General Education Courses: As in the past years, liberal arts majors are the largest consumers of general education courses. 66% of all SSH generated are taken by liberal arts students (63% to 65% over the past years). Vocational majors and unclassified students are taking 28% and 4%, respectively, of the SSH generated in general education.

JC 770 007

B. Vocational Courses: Vocational students continue to take the great bulk of the vocational courses (80%). Liberal arts majors and unclassified students are taking 14% and 4%, respectively, of all SSH generated in vocational education.

II. What is the course-taking pattern of students?

A. By educational objective (Table I):

1. Certificate students are taking 71% of their work in vocational courses; Associate in Arts, 89% in general education courses; Associate in Science, 59% in general education courses; and "other" (special and unclassified), 64% in general education.

2. Certificate and Associate in Science students are taking 79% and 65%, respectively, of their work in courses numbered below 100. Associate in Arts and "other" students are taking 80% and 58%, respectively, of their work in courses numbered above 100.

B. By majors (Table II and Figure 2):

The patterns of SSH taken by majors remain stable over the past five years:

1. Liberal arts majors continue to take a great amount of general education courses (89%). This proportion has been the same for three years.

2. Vocational majors continue to take most of their courses from vocational education (61%). This proportion has also been the same for the past three years.

3. Unclassified students are taking proportionately fewer SSH (62%) in general education (70% in 1972) and more in vocational education (38% in 1976 as compared to 30% in 1972).

III. Other observations:

A. As in the past years, the proportion of SSH generated in the general education area is 64%. The range is from 40% at Hawaii Community College to 92% at Windward Community College. Almost a third of all SSH generated (31%) is in the Humanities.

B. Over half (57%) of the SSH generated are in courses numbered 100 and over. The range is from 33% at Hawaii Community College to 85% at Windward Community College. 16% (20,333 of 130,226) of the SSH for courses numbered 100 or above are in the vocational area.

C. Almost two-thirds (60,979 of 98,467) of all SSH generated below 100 are in vocational education.

D. Early admits are taking 81% of their work in general education and 19% in vocational areas. The total SSH taken by these students is less than 1% of the total SSH generated this fall.

E. Concurrent registrants are taking 56% of their work in general education and 44% in vocational areas. The 1,260 SSH taken by these students is less than 1% of the total SSH generated.

Summary

The patterns of course distribution by subject areas and of courses taken by majors remain stable over the past five years. The total number of SSH generated is slightly less than last year--students are taking fewer courses than last year.

REPORT 2E248
SEMESTER FALL 1976 RUN1
CAMPUS COMMUNITY COLLEGE SYSTEM

TABLE I

COMMUNITY COLLEGE SYSTEM
ACADEMIC CROSSOVER STUDY
AS OF OCT 18, 1974
DISTRIBUTION OF SEMESTER HOURS TAKEN, BY EDUCATIONAL OBJECTIVE

DATE 10/18/74

MAJOR -- 001. GRAND TOTAL

TOTAL ENROLLMENT -- 21379
TOTAL CAMPUS SEM HRS -- 228699

PCT OF TOTAL ENROLLMENT -- 100.00
PCT OF TOTAL CAMPUS SEM HRS -- 100.00

	TOTAL	MALES	FEMALES	NO DATA
HEAD COUNT BY SEX	21379	11726	9638	15
HORIZONTAL PERCENTAGE	100.00	54.85	45.08	0.07

EDUCATIONAL OBJECTIVE / COURSE AREA	TOTAL STUDENTS 21379 HPCT 100.00 SEM HRS VPCT	CERTIFICATE STUDENTS 1574 HPCT 7.36 SEM HRS VPCT	SUBTOTAL AAEAS STUDENTS 17492 HPCT 81.82 SEM HRS VPCT	ASSOC IN ARTS STUDENTS 10041 HPCT 46.97 SEM HRS VPCT	ASSOC SCIENCE STUDENTS 7451 HPCT 34.86 SEM HRS VPCT	OTHER & NO DATA* STUDENTS 2313 HPCT 10.82 SEM HRS VPCT
GRAND TOTAL	228699 100.00	17898 100.00	199371 100.00	109791 100.00	88840 100.00	12453 100.00
COURSE NO 000--099	98867 43.24	14051 78.74	79147 39.70	21487 19.87	57660 64.89	5229 42.06
COURSE NO 100--299	130224 56.94	3799 21.34	119216 60.10	88304 80.43	30910 34.91	7205 57.94
COURSE NO 100--199	99868 43.67	2990 16.71	91719 45.24	69364 63.19	22355 25.34	5149 41.50
COURSE NO 200--299	30358 13.27	809 4.52	27508 13.87	18940 17.25	8555 9.67	2056 16.44
GEN & PRE-PROF	147381** 64.44	5228 29.22	134231 67.57	97903 89.17	36328 41.01	7922 63.72
COURSE NO 000--099	37488 16.39	3435 19.20	32116 16.19	14255 12.98	17861 20.18	1937 15.58
COURSE NO 100--299	109893 48.05	1793 10.02	102115 51.43	83648 76.19	18467 20.85	5985 48.14
COURSE NO 100--199	87740 38.37	1513 8.46	81068 41.27	66708 60.76	15360 17.12	4368 35.14
COURSE NO 200--299	22144 9.68	280 1.57	20247 10.21	16943 15.43	3304 3.73	1617 13.01
HUMANITIES	71677 31.34	2410 13.47	65071 32.80	48990 44.62	16081 18.15	4196 33.75
COURSE NO 000--099	17047 7.45	1467 8.20	14624 7.37	7104 6.47	7520 8.49	936 7.53
COURSE NO 100--299	54630 23.90	943 5.27	50447 25.43	41886 38.15	8561 9.66	3260 26.21
COURSE NO 100--199	44359 19.41	817 4.57	41195 20.77	33816 30.80	7379 8.33	2567 19.20
COURSE NO 200--299	10271 4.48	126 0.70	9252 4.66	8070 7.35	1182 1.33	693 7.02
NATURAL SCIENCES	38102 16.66	1993 11.14	34601 17.44	22728 20.70	11873 13.40	1508 12.13
COURSE NO 000--099	17392 7.60	1754 9.80	15079 7.60	8469 7.71	6609 7.46	566 4.55
COURSE NO 100--299	20710 9.06	239 1.34	19523 9.84	14259 12.99	5264 5.93	948 7.63
COURSE NO 100--199	16679 7.29	193 1.08	15703 7.92	11159 10.16	4544 5.13	783 6.30
COURSE NO 200--299	4031 1.76	46 0.26	3820 1.93	3100 2.82	720 0.81	165 1.33
SOCIAL SCIENCES	34832 15.23	741 4.14	32212 16.24	24586 22.39	7626 8.61	1879 15.11
COURSE NO 000--099	2662 1.16	211 1.18	2185 1.10	593 0.54	1602 1.81	344 2.76
COURSE NO 100--299	32170 14.07	530 2.96	30027 15.14	24003 21.86	6024 6.80	1613 12.97
COURSE NO 100--199	24880 10.75	422 2.36	23097 11.64	19439 16.79	4662 5.24	1061 8.53
COURSE NO 200--299	7290 3.52	109 0.88	6936 3.49	5588 5.07	1372 1.54	582 4.44
OTHER GENERAL EDUC	2770 1.21	84 0.47	2347 1.18	1599 1.46	748 0.84	339 2.73
COURSE NO 000--099	407 0.18	5 0.02	229 0.12	99 0.09	130 0.15	178 1.43
COURSE NO 100--299	2363 1.03	81 0.45	2118 1.07	1500 1.37	618 0.70	164 1.32
COURSE NO 100--199	2091 0.91	81 0.45	1973 0.99	1295 1.18	678 0.68	157 1.40
COURSE NO 200--299	272 0.12	0 0.00	245 0.12	205 0.19	40 0.05	17 0.22
VOCATIONAL EDUCATION	81312** 35.56	12662 70.78	64140 32.33	11888 10.83	52252 58.82	4510 36.28
COURSE NO 000--099	60979 26.66	10656 59.56	47031 23.71	7232 6.59	39799 44.93	3292 26.48
COURSE NO 100--299	20333 8.89	2006 11.21	17109 8.62	4656 4.24	12453 14.06	1218 9.80
COURSE NO 100--199	12119 5.30	147 0.82	9851 4.97	2659 2.42	7192 8.12	791 6.36
COURSE NO 200--299	8214 3.59	529 2.96	7258 3.66	1997 1.82	5261 5.94	427 3.43
BUSINESS	34944 15.28	4918 27.48	28065 14.15	7895 7.19	20168 22.77	1963 15.79
COURSE NO 000--099	28599 12.51	4628 25.87	22762 11.22	5127 4.67	17635 19.34	1708 13.75
COURSE NO 100--299	6345 2.77	290 1.62	5301 2.92	2768 2.52	3033 3.42	254 2.94
HEALTH SERVICES	4150 1.81	1617 9.04	2378 1.20	172 0.16	2206 2.49	156 1.68
COURSE NO 000--099	1932 0.84	1611 9.01	336 0.11	29 0.03	196 0.22	96 0.77
COURSE NO 100--299	2218 0.97	6 0.03	2153 1.09	143 0.13	2010 2.27	59 0.47
HOTEL & RESTAURANT	5209 2.28	1441 8.17	3491 1.76	322 0.29	3169 3.58	257 2.67
COURSE NO 000--099	1396 0.61	162 0.91	1169 0.59	97 0.09	1072 1.20	57 0.47
COURSE NO 100--299	3813 1.67	1299 7.26	2322 1.17	236 0.21	2087 2.36	69 0.89
PUBLIC SERVICES	8230 3.60	540 1.98	7236 3.68	1250 1.16	5986 6.76	454 5.25
COURSE NO 000--099	1999 0.87	84 0.39	1891 0.98	199 0.17	1692 1.91	67 0.98
COURSE NO 100--299	6231 2.72	289 1.61	5358 2.70	1061 0.97	4294 4.85	387 4.72
TECHNOLOGY	27216 11.90	4151 23.20	21621 10.90	2122 1.93	19499 22.01	1444 11.62
COURSE NO 000--099	25805 11.28	4036 22.56	20430 10.30	1725 1.57	19705 21.12	1339 10.77
COURSE NO 100--299	1411 0.62	118 0.64	1191 0.60	397 0.36	794 0.90	105 0.84
COOPERATIVE EDUC	1543 0.67	175 0.99	1349 0.68	122 0.11	1223 1.38	23 0.19
COURSE NO 000--099	1234 0.54	168 0.94	1058 0.53	70 0.06	988 1.12	8 0.06
COURSE NO 100--299	309 0.14	7 0.04	287 0.14	52 0.05	235 0.27	15 0.12
INTER-DISC VOC	26 0.01	0 0.00	6 0.00	5 0.00	1 0.00	14 0.11
COURSE NO 000--099	20 0.01	0 0.00	6 0.00	5 0.00	1 0.00	14 0.11

*Includes unclassified students, special students and students for whom data on educational objectives were missing.

**4,198 SSH of vocational courses are included in general education; 528 SSH of general education courses are included in vocational education. See individual campus data and Appendix B for specific courses.

REPORT 2524D
SEMESTER FALL 1976 RUN1
CAMPUS COMMUNITY COLLEGE SYSTEM

TABLE II

COMMUNITY COLLEGE SYSTEM
ACADEMIC CROSSOVER STUDY
AS OF OCT 18, 1976
DISTRIBUTION OF SEMESTER HOURS BY COURSE AREA BY MAJOR

DATE 10/18/76

COURSE AREA \ MAJOR	TOTAL STUDENTS 21379 SEM HRS	V%	H%	LIBERAL ARTS STUDENTS 9979 SEM HRS	V%	H%	SUBTOTAL VOCATIONAL STUDENTS 9087 SEM HRS	V%	H%	UNCLASSIFIED & AUDITORS STUDENTS 1747 SEM HRS	V%	H%	NO DATA STUDENTS 65 SEM HRS	V%	H%	SUBTOTAL SPECIAL STUDENTS 501 SEM HRS	V%	H%
GRAND TOTAL	228693	100	100	109115	100	48	107146	100	47	9129	100	4	450	100	0	2853	100	1
COURSE NO 000--099	98467	43	100	21352	20	22	71886	67	73	4032	44	4	248	55	0	949	33	1
COURSE NO 100--299	130226	57	100	87763	80	67	35260	33	27	5097	56	4	202	45	2	1904	67	1
COURSE NO 100--199	99868	44	100	68970	63	69	25739	24	26	3536	39	4	160	36	0	1463	51	1
COURSE NO 200--299	30358	13	100	18793	17	62	9521	9	31	1561	17	5	42	9	0	441	15	1
GEN & PRE-PROF	147381*	64	100	97538	89	66	41921	39	28	5673	62	4	248	55	0	2001	70	1
HUMANITIES	71677	31	100	48790	45	68	18691	17	26	3050	33	4	140	31	0	1006	35	1
NATURAL SCIENCES	38102	17	100	22651	21	59	13943	13	37	912	10	2	56	12	0	540	19	1
SOCIAL SCIENCES	34832	15	100	24505	22	70	8448	8	24	1390	15	4	50	11	0	439	15	1
OTHER GENERAL EDUC	2770	1	100	1592	1	57	839	1	30	321	4	12	2	0	0	16	1	1
VOCATIONAL EDUCATION	81312*	36	100	11577	11	14	65225	61	80	3456	38	4	202	45	0	852	30	1
BUSINESS	34944	15	100	7844	7	22	25137	23	72	1405	15	4	101	22	0	457	16	1
HEALTH SERVICES	4150	2	100	172	0	4	3823	4	92	139	2	3	16	4	0	0	0	0
HOTEL & RESTAURANT	5209	2	100	322	0	6	4630	4	89	229	3	4	10	2	0	18	1	0
PUBLIC SERVICES	8230	4	100	1061	1	13	6515	6	79	492	5	6	5	1	0	159	6	2
TECHNOLOGY	27216	12	100	2055	2	8	23717	22	87	1168	13	4	68	15	0	208	7	1
COOPERATIVE EDUC	1543	1	100	118	0	8	1402	1	91	16	0	1	4	1	0	3	0	0
INTER-DISC VOC	20	0	100	5	0	25	1	0	5	7	0	35	0	0	0	7	0	35
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*4,198 SSH of vocational courses are included in general education; 528 SSH of general education courses are included in vocational education. See individual campus data and Appendix B.

REPORT 2[illegible]D
SEMESTER FALL 1976 RUN1
CAMPUS COMMUNITY COLLEGE SYSTEM

TABLE II (CONT.)

COMMUNITY COLLEGE SYSTEM
ACADEMIC CROSSOVER STUDY
AS OF OCT 18, 1976

DISTRIBUTION OF SEMESTER HOURS BY COURSE AREA BY MAJOR

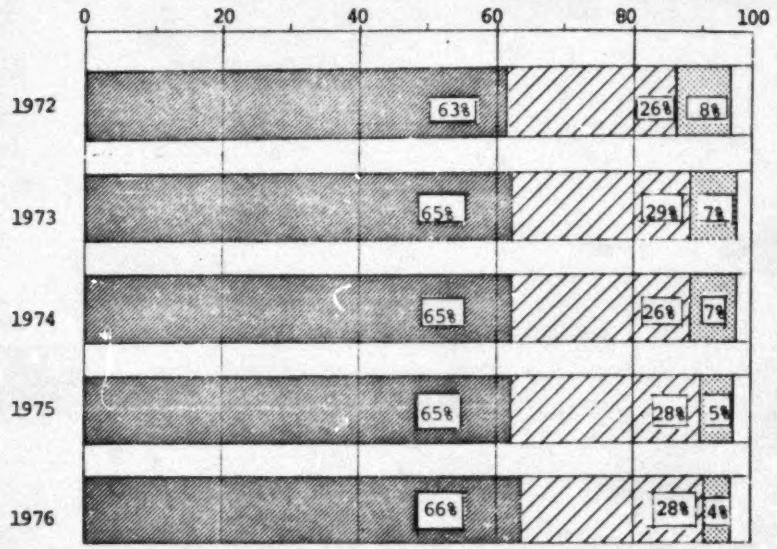
DATE 10/[illegible]/76

MAJOR / COURSE AREA	BUSINESS STUDENTS 3764 SEM HRS	V%	H%	HEALTH SERVICE STUDENTS 420 SEM HRS	V%	H%	VOCATIONAL HOTEL/RES STUDENTS 484 SEM HRS	V%	H%	PUBLIC SERVICE STUDENTS 1272 SEM HRS	V%	H%	TECHNOLOGY STUDENTS 3141 SEM HRS	V%	H%	EARLY ADMIT STUDENTS 274 SEM HRS	V%	H%	SPECIAL CONCURRENT REG STUDENTS 227 SEM HRS	V%	H%
GRAND TOTAL	41693	100	18	5557	100	2	5856	100	3	13488	100	6	40362	100	18	1593	100	1	1260	100	1
COURSE NO 000--090	30702	73	31	2315	42	2	1767	30	2	4322	32	4	33780	81	35	531	33	1	418	33	0
COURSE NO 100--299	11181	27	9	3242	58	2	4089	70	3	9166	68	7	7582	19	6	1062	67	1	842	67	1
COURSE NO 100--199	8691	21	9	2061	37	2	3006	51	3	5843	43	6	6138	15	6	867	54	1	596	47	1
COURSE NO 200--299	2490	6	8	1181	21	4	1083	19	4	3323	25	11	1444	4	5	867	54	1	596	47	1
GEN & PRE-PROF	15588	37	11	600	29	1	1556	27	1	7089	53	5	16058	40	11	1293	81	1	708	56	0
HUMANITIES	7868	19	11	354	6	0	748	13	1	2945	22	4	6776	17	9	684	42	1	342	27	0
NATURAL SCIENCES	3985	10	10	921	17	2	531	9	1	1618	12	4	6890	17	18	368	23	1	180	14	0
SOCIAL SCIENCES	3571	9	10	275	5	1	236	4	1	2078	15	6	2270	6	7	259	16	1	190	14	1
OTHER GENERAL EDUC	166	0	6	52	1	2	41	1	1	528	3	15	152	0	5	10	1	0	6	0	0
VOCATIONAL EDUCATION	26295	63	32	3957	71	5	4300	73	5	6399	47	8	24274	60	30	300	19	0	552	44	1
BUSINESS	24319	58	70	112	2	0	180	3	1	233	2	1	293	1	1	158	10	0	295	24	1
HEALTH SERVICES	12	0	0	3809	69	92	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
HOTEL & RESTAURANT	442	1	8	32	1	1	4071	70	78	10	0	0	75	0	1	12	1	0	6	0	0
PUBLIC SERVICES	336	1	4	3	0	0	10	0	0	5835	43	71	328	1	4	18	1	0	141	11	2
TECHNOLOGY	185	0	1	1	0	0	10	0	0	196	1	1	23335	58	86	105	7	0	103	8	0
COOPERATIVE EDUC	1001	2	65	0	0	0	28	0	2	131	1	8	242	1	16	0	0	0	3	0	0
INTER-DISC VOC	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	7	0	35	0	0	0
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FIGURE 1
DISTRIBUTION OF SCH BY COURSE AREA AND MAJORS
Community Colleges
Fall 1972, 1973, 1974, 1975 & 1976

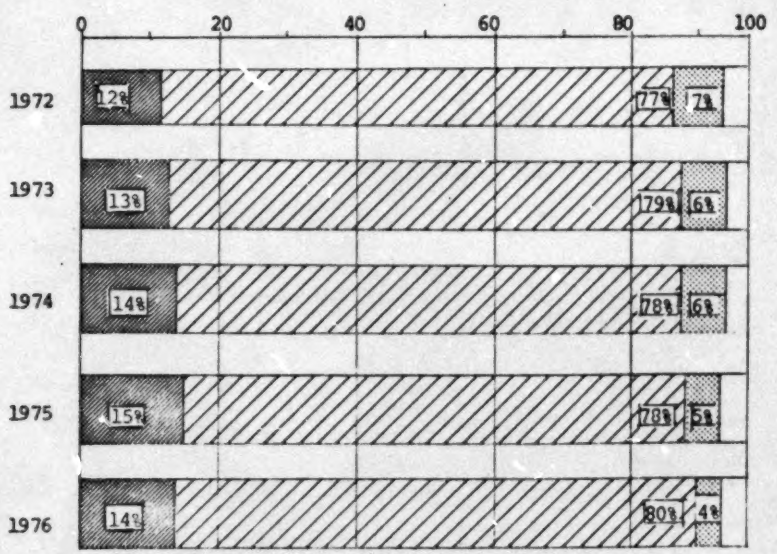
GENERAL EDUCATION COURSES:

What were the proportions taken by different majors?



VOCATIONAL EDUCATION COURSES:

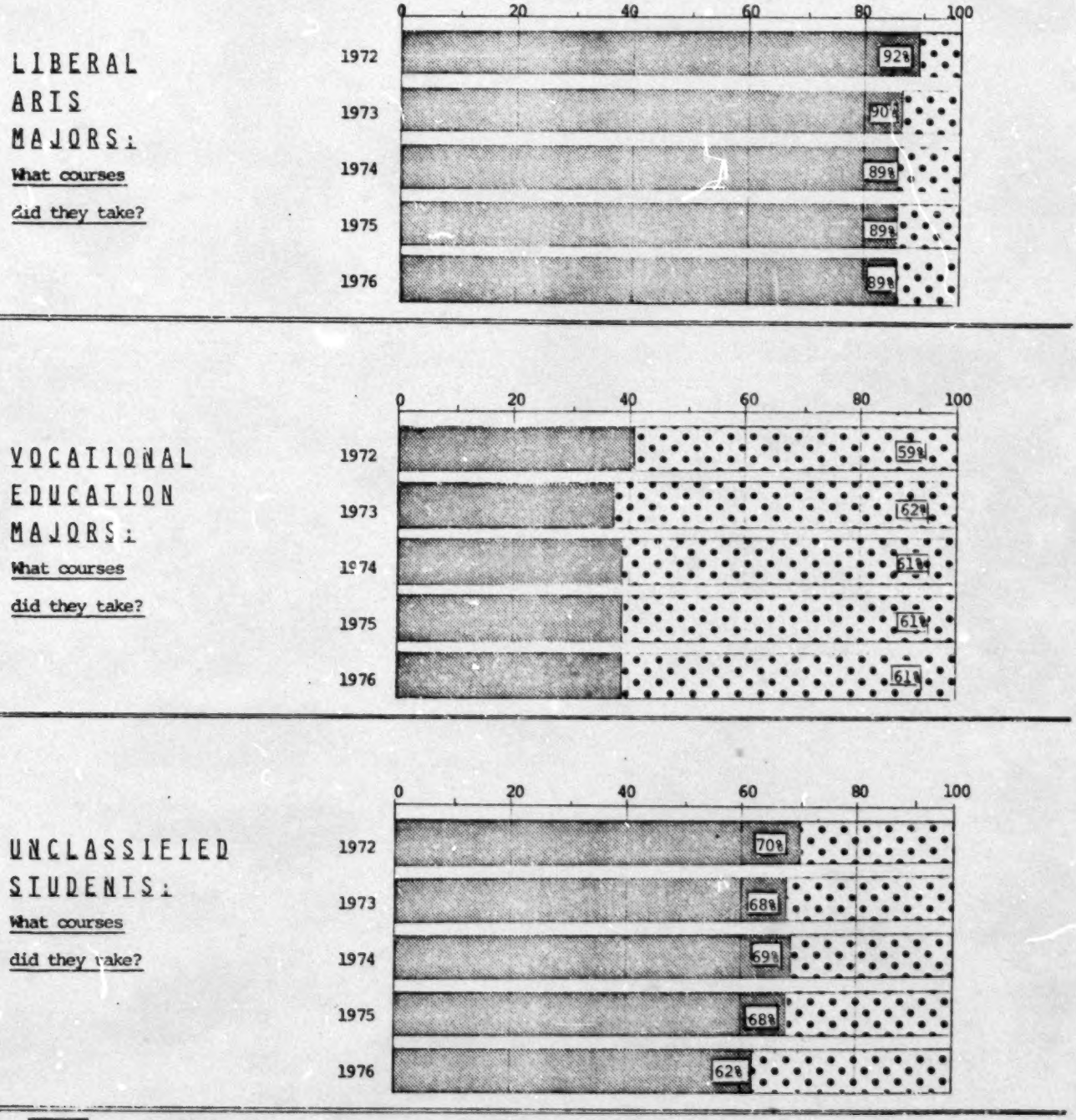
What were the proportions taken by different majors?



Liberal Arts Majors
Vocational
Unclassified
Others: Includes special students and students for whom data on educational objectives were missing.

Sources: CC-IRC 87, Academic Crossover Report, Fall 1975; Table II of this report.

FIGURE 2
DISTRIBUTION OF SCH BY STUDENT MAJORS AND THEIR WORKLOAD
COMMUNITY COLLEGES
Fall 1972, 1973, 1974, 1975 & 1976



Sources: CC-IRP 87, Academic Crossover Report, Fall 1975; Table II of this report.

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APPENDIX A
FALL 1976 CROSSOVER MAJOR GROUPINGS
COMMUNITY COLLEGES

Major Group	Majors Included
General & Pre-Prof (Liberal Arts)	General & Pre-Prof
Business Education	
Accounting	Accounting
Computer Science	Computer Science Data Processing Data Processing Operations
Sales & Management	Merchandising Mid-Management Hotel Operations Mid-Management Management
Secretarial & Related	Business Operations Clerical, Bookkeeping Clerical, General Clerical, Stenography Clerical, Typist General Business General Office Training Secretarial Science
Health Services	
Associate Degree Nursing	Associate Degree Nursing
Dental Assisting	Dental Assisting
Dietetic Technology	Dietetic Technology
Medical Assisting	Medical Assisting
Medical Lab Technology	Medical Lab Technology
Medical Records Technology	Medical Records Technology
Nursing	Practical Nursing
Occupational Therapy Assistant	Occupational Therapy Assistant
Radiologic Technology	Radiologic Technology
Respiratory Therapy	Respiratory Therapy
Hotel & Food Services	
Commercial Baking	Commercial Baking
Food Service	Food Service Restaurant/Food Service
Food Service, Culinary Arts	Food Service, Culinary Arts

Major Group	Majors Included
Hotel & Food Services (Cont.)	
Food Service, Dining Room	Food Service, Dining Room
Food Service Management	Food Service Management
Public Service	
Educational Assistant	Educational Assistant
Educational Asst. - Pre School	Educational Assistant - Pre School
Fire Science	Fire Science
Health Aide	Health Aide
Human Services	Human Services
Industrial Education	Industrial Education
Legal Assistant	Legal Assistant
Library Technology	Library Technology
Occupational Safety & Health	Occupational Safety & Health
Police Science	Police Science
Recreational Instructor Prog.	Recreational Instructor Program
Social Services Aide	Social Services Aide
Technology	
Aeronautics Technology	Aviation Maintenance Technology
Agriculture	Agriculture
Apparel Design & Construction	Fashion Design/Merchandising Apparel Design & Construction; Apparel Trades
Applied Trades	Applied Trades
Automotive Technology	Auto Body Repair & Painting Auto Mechanics Technology
Building, Construction Tech.	Carpentry Electricity Industrial Electricity
Commercial Art	Applied Arts; Graphic Arts
Cosmetology	Cosmetology
Diesel Mechanics Technology	Diesel Mechanics Heavy Equipment Maintenance & Repair
Drafting Technology	Architectural Drafting Technology Drafting Technology Drafting & Engineering Aide

Major Group	Majors Included
Technology (Cont.)	
Electronics Technology	Electronics Technology
Engineering Technology	Engineering Technology
Maintenance Technology	Building Maintenance Industrial Maintenance
Marine Technology	Marine Technology
Metalworking Trades Technology	Machine Shop Technology Welding & Sheet Metal Sheet Metal & Plastics Welding Technology Sheet Metal Technology
Refrigeration & Air Conditioning	Refrigeration & Air Conditioning
Unclassified & Auditor	
Unclassified Day Student	Unclassified
Unclassified Evening Student	Evening
Special Students	
Early Admissions	Early Admissions
Concurrent Registrants	Concurrent
Other Special Students	Other Special Students
No Data Majors	

APPENDIX B
COURSE CLUSTERS, BY COURSE EQUIVALENCY
COMMUNITY COLLEGES
FALL 1976

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
GENERAL & PRE-PROF							
Humanities							
Art	ART; HAWNA 28/128	ART	ART	ART	ART; CA 131, 132 235	ART; CA 131	ART
Asian/Pacific Lang							
Chinese					CHNSE		
Hawaiian	HAWNA 23/123	HAW		HAW	HAW	HAW	HAW
Hawaiiana	HAWNA				LA 231	HAW 155, 156	HAW 155/055
Ilokano				ILO	ILO; LA 261		
Japanese	JPNSE	JPNSE	JPNSE	JPNSE	JPNSE	JPNSE	
Japanese Lit		JALIT					
Tagalog					TAG		
Drama & Theater	HE 159	DRAMA	DRAMA	DRAMA	DRAMA; CA 141, 142, 245, 246	DRAMA	DRAMA
English							
English	ENG; GBUS 27	ENG; HUM 60	ENG	ENG; BUS 11	ENG; LIT 250 → 257	ENG; SECSC 20	ENG; IS 021
Grammar					GRAM		
Linguistics		LING		LING	LING		LING
Reading	ENG 10, 21, 24/124	READ	READ	ENG 31,32	READ	ENG 42, 51, 52	READ
English as a Second Language							
Eng as a Sec. Lang	ESL		ESL				ESL
Eng Lang Inst		ELI	ELI	ENG 20→ 23	ELI		

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
European Languages							
French			FR		FR, LA 241	FR	
German					GER		
Portuguese						PORT	
Russian							
Spanish			SPAN		SPAN, LA 251, 252	SPAN	
Lang Arts					LA		
History	HAWNA 21/121 22/122, 23/123, 221; HIST	HIST	HIST	HIST	HIST; OR 186, 188	HIST	HIST
Humanities							
Humanities		HUM	HUM	HUM		HUM	
Inter-Dis Humanities					IDH		
Journalism		JOURN	JOURN	JOURN	JOURN	JOURN	JOURN
Music	MUS; HAWNA 26/126; HE 122	MUS	MUS	MUS	MUS	MUS	MUS
Philosophy		PHIL	PHIL	PHIL	PHIL	PHIL	PHIL
Religion		REL	REL	REL	REL	REL	REL
Speech							
Communication		COMUN	COMUN	JOURN 260; SPCOM 261, 263			COMUN
Speech	SP	SP	SP	SP	CA 143, SP SPCOM 145, 151, 221, 231	SP	SP; COMUN 145
Speech Comm							

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
Natural Sciences							
Biology							
Anatomy		ZOOL 50	BIOL 22, 110	BIOL 24	BIOL 100	BIOL 130	BIOL 100
Biology	NS 20/101. 21	NS 185, 285; SCI 121; ZOOL 200, 230	HF 110; DIET 100; BIOL; SCI 121, 124	BIOL	BIOL; SCI 121, 124	BIOL; SCI 121, 124	SCI 121, 124
Botany	HAWNA 25/125	BOT	BOT	BOT	BOT	BIOL 120	BOT
Microbiology		MICRO	MICRO		MICRO; BIOL 60	MICRO	
Zoology		ZOOL	ZOOL	ZOOL	ZOOL	BIOL 132	
Chemistry		CHEM	CHEM	CHEM	CHEM; SCI 107	CHEM	
Science		SCI	SCI	SCI	SCI	SCI	SCI
Food & Nutritional Sci							
Mathematics							
Bus Analysis			BAS		BAS		
Mathematics	MATH	MATH	MATH; HF 107; GBUS 25	MATH; BUS 13B-D	MATH; BUS 23	MATH; BUS 23	MATH
Oceanography	NS 22/102	OCEAN	OCEAN	OCEAN	OCEAN	OCEAN	OCEAN
Physical Science							
Geoscience		GEOSC	GEOSC		GEOSC; GG 101	GEOSC	GEOSC
Physical Science		SCI 122	SCI 122		SCI 122	SCI 122	
Physics	PHYS	PHYS	PHYS	PHYS	PHYS	PHYS	
Technical Science	PHYSC 24, 25 PHYS 2[illegible]	PHYS 21, 23, 24, 25, 41, 42		PHYS 10	PHYS 114, 116	PHYS 50	
Social Sciences							
Anthropology		ANTH	ANTH	ANTH	ANTH	ANTH	ANTH
Economics	ECON; GBUS 50/ 150	ECON	ECON	ECON	ECON	ECON	ECON
Geography	GEOG	GEOG	GEOG	GEOG	GEOG	GEOG	GEOG

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
Political Science							
Political Science	POLSC; PS 227-228; GBUS 42	POLSC; PS 242, 243	POLSC; LAW 181; SS 294, 295	POLSC; BUS 40 PS 242	POLSC; ISS 120; LAW 140; BUS 200	POLSC; LAW 102 BLAW 200; PS 242	POLSC
Psychology	PSY; HE 105, 205	PSY; HD 231-232	PSY	PSY	PSY; HD 231-232	PSY	PSY
Social Sciences							
American Studies		AMST	AMST	AMST	AMST		AMST
Guidance	SS 101, 102, 103	HD 196	GUID	GUID	ISS 100, 101	ORIEN 20	IS 100
Inter-Dis Soc Sci					ISS		
Social Science	SOCSC	SOCSC	SOCSC	SOCSC		SOCSC	IS 101, 121
Special Studies	SS		SS				
Women's Studies						WS	
Sociology							
Ethnic Studies			SOCSC 101	SOCSC 024, 225	ISS 202, 204, 221, 285		ES; IS 055/155
Sociology	SOC	SOC; HS 24	SOC	SOC	SOC	SOC; SOCSC 110	SOC
Other, General Educ							
Coop Arts/Sci Ed	CASE; REC 93C, D	CASE	ART 193V, 293V HPE 193V, 293V HIST 193V, 293V MUS 193V, 293V POLSC 193V, 293V PSY 193V, 293V SCI 193V, 293V SOCSC 193V, 293V SOC 193V, 293V	CASE	ISS 193B,C, D, E, F, 293B, C, D, E, F	CASE	
Directed Studies						DIRST	
Health & PE	REC 102, 102B HAWNA 29/129	HPE; HF 102, 103	HPE; HF 102, 103	HPE	HPE; MT 11; RMD 175	HPE; OCEAN 52	HPE
Media	ED 26/126	ED 114			LT 5	ED 26	
Interdis Studies							

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
VOCATIONAL EDUCATION							
Business Education							
Accounting	ACC	ECON 104	ACC	ACC	ACC; BUS 60	ACC	ACC
Computer Science							
Computer Science		COMSC	COMSC		COMSC	BUS 100	
Data Processing	DPRO		DPRO	BUS 19			
General Business							
Business				BUS	BUS; ACC 200	BUS;	BUS
General Business	GBUS		GBUS				
Sales/Management							
Hotel Operations	HOPER		HOPER			HOPER	
Management	MERCH 50; GBUS 21	BUS 41	GBUS 23, 30, 50	BUS 54	MGT	BUS 50, 51	
Merchandising	MERCH		MERCH: GBUS 31, 32, 46	BUS 15B, C, D, 16B, 18B, C, 22, 52, 53	BUS 24, 45, 101	BUS 43→ 49, 52; INS 231	
Secretarial & Related							
Business Machines	BMACH		BMACH	BUS 21B, C, D, E 42, 43	BUS 22	BUS 24→ 27	BUS 22
Office Procedures	OFPRO		OFPRO	BUS 12	OFPRO		BUS 50
Secretarial Science	SECSC				BUS 51	SECSC	
Shorthand	SHTHD		SHTHD	SHTHD	SHTHD	SHTHD	SHTHD
Typing	TYPW		TYPW	TYPW; BUS 41	TYPW	TYPW	TYPW

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
Health Service							
Dental Assisting			DENT				
Dietetic Technology			DIET				
Health Foundations		HF	HF				
Nursing							
NAT			NAT				
Nursing	NURS			NURS		NURS	
Practical Nursing	PRACN		PRACN	PRACN			
Medical Assisting			MEDAS				
Medical Lab Tech			MLT				
Medical Records			MEDRC				
Occupational Ther Asst			OTA				
Radiologic Technology			RTECH				
Respiratory Therapy			RESP				
Hotel & Food Services							
Commercial Baking		CB					
Food Service	FSER: HAWNA 30/ 135		FSER		FSER	HOPER 21, 22 50→ 54	
Public Service							
Fire Science	FS	FS		FS			
Human Services							
Education	NST 20; HE 122, 135, 159, 230	ED				ED	
Human Services		HS; HD 235, 296					
Industrial Educ							
IED Draft & Des		IEDDD					
IED Elec Tech		IEDET					

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
IED Ind Elec		IEDIE					
IED Mach Shop		IEDMI					
IED Power Tech		IEDPT					
IED Sheet Metal		IEDSM					
IED Welding		IEDW					
IED Wood Const.		IEDWC					
Law	LAW		LAW		LAW	LAW	
Library Tech					LT		
Nursery Sch Training							
Occ Safety/Health		OSH					
Police Science	PS	PS		PS		PS	
Rec Instr Prog							
Creative Arts					CA	CA	
Outdoor Rec					OR; HPE 171, 179, 208, 233 290		
Rec Mus & Dance					RMD		
Technology							
Aeronautics Tech							
Avia Maintenance Tech		AVMAT					
Avia Technology		AVTEC					
Aviation Ground Sch		AERO					
Agriculture	AG			AG		AG	
Apparel Trades							
Apparel Des & Constr	HE 21/111; HE 23/123, 24, 25, 26, 27, 29					ADC	
Fashion Design Text		FDM					

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
Auto Body Re & Paint	ABRP	ABRP		ABRP		ABRP	
Auto Mech Tech	AMT	AMT		AMT	AMT	AMT	AMT
Blueprint Rdg	BLPRT	BLPRT		BLPRT	DT 5	BLPRT; ITECH 21	
Building Trades							
Building Trades						BLDTR	
Industrial Tech						ITECH	
Carpentry	CARP	CARP		CARP		CARP	
Cosmetology		COSME					
Commercial Arts							
Commercial Art		CMART					
Graphic Art					GA		
Diesel Mechanics							
Diesel Mechanics	DIMCH						
Heavy Equipment		HEMR					
Drafting Tech							
Arch Draft. Tech	ADT	ADT		ADT			
Drafting Tech				DT	DT	DT	
Electricity							
Electricity	ELEC			ELEC		BLDTR 30, 31	
Indus Elec		IE					
Electronic Tech	ET	ET		ELEC 11			
Engineering Tech		ENGT					
Home Economics	HE	HE; FNS 181, 185, 200					
Marine Tech					MT	OCEAN 101	

Course	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
Metal Working Trades							
Machine Shop				MS		MS	
Machine Shop Tech	MST	MST					
Sheet Metal Tech						SMT	
Sheet Metal Plastic		SMP					
Welding	WELD	WELD		WELD		WELD	
Refr & Air Cond		RAC					
Industrial Safety	NST 25			SAFTY		SAFTY	
Cooperative Educ							
Work Practicum						WP	
Coop Voc Educ	CVE ACC 93C, D, E MERCH 193C, D, E AG 193C, D, E ADT 193C, D, E DPRO 093C, D, E FS 193C, D, E FSER 093C, D, E GBUS 093C, D, E PRACN 193C, D, E PS 193C, D, E	ABRP 093V ADT 093V AMT 093V CB 093V CMART 093V ENGT 093V ET 093V HEMR 093V IE 093V MST 093V WELD 093V	ACC 093 FSER 193V HOPER 093 MERCH 093 OFPRO 093	ABRP 093 AMT 093 BUS 093 CARP 093 DT 093 WELD 093	AMT 093 BUS 093 DT 093 HPE 290 LT 025 MT 093	CVE	BUS 093
Interdisc Voc							
Interdisc Voc	ORIEN 22, 222, 23, 232						

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